



CONCRETE MASONRY CONSTRUCTION FIELD SECTION 703

703.1 Scope. This section is to complement instructions contained in the Construction Manual, Secs 500 and 700, to establish procedures for the inspecting and reporting of the fabrication of precast bridge slab units, sampling of double boiled linseed oil and mineral spirits for surface sealing, and to establish a prequalified list of silica fume admixtures for use in Silica Fume Concrete Wearing Surfaces. Reinforcing steel, joint materials, and portland cement concrete for use in precast slab units are to be inspected in accordance with the applicable sections of this Manual.

703.2 Apparatus.

- (a) Rule with suitable graduations to accurately measure the material to be inspected.
- (b) OK - MoDOT stamp.
- (c) Weather resistant marking materials.
- (d) Appropriate sampling thief or device for liquids.
- (e) Appropriate sample containers.

703.3 Procedure.

703.3.1 Precast Bridge Slab Units. These procedures pertain to precast units that are manufactured at a commercial precast manufacturing plant. Should the contractor elect to precast his units at the job site the inspection will normally be performed by the Construction Division. Plant inspection will be performed by the Materials Division in accordance with the applicable portions of [Field Sec 705](#) of this Manual and Specification Sec 703.

703.3.2 Surface Seal. The double boiled linseed oil and mineral spirits to be used to form a mixture for surface sealing bridge decks should be sampled prior to mixing the two materials together. A one quart [1 liter] sample of double boiled linseed oil, in a friction top can; and a one quart [1 liter] sample of mineral spirits, in a screw top can; are to be submitted to the Laboratory for testing. Form T-617 is to be used as an identification sheet for submitting the samples to the Laboratory.

703.4 Report.

703.4.1 Precast bridge slab units shall be reported and the reports distributed in the same manner as prestressed units in accordance with [Field Sec 705.4](#) of this Manual except if lightweight aggregate is used, the plant inspector shall use Form M-32 for his daily report.

703.4.2 Silica fume admixtures are to be reported on Form T-634 with distribution as follows:

Division Engineer, Materials ;
Operations Engineer (both receiving and inspecting District's);
Resident Engineer;
Field Materials Director.

